UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 7,496,072 B2
APPLICATION NO. : 09/997733
DATED   : February 24, 2009
INVENTOR(S)   : James A. Proctor, Jr.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

ON THE TITLE PAGE

At section (56), U.S. PATENT DOCUMENTS, page 2, left column, after line beginning with "5,373,502", delete "5,375,124 A 12/1994 D'Amgrogio et al." and insert therefor --5,375,124 A 12/1994 D'Ambrogio et al.--.

At section (56), U.S. PATENT DOCUMENTS, page 2, left column, after line beginning with "5,758,288", delete "5,781,542 A * 7/1998 Ault et al. ... 370/342" and insert therefor --5,781,542 A * 7/1998 Tanaka et al. ... 370/342--.

At section (56), U.S. PATENT DOCUMENTS, page 2, right column, after line beginning with "6,031,827", delete "6,049,535 A * 4/2000 Ozukturk et al. ... 370/335" and insert therefor --6,049,535 A * 4/2000 Ozluturk et al. ... 370/335--.

At section (56), U.S. PATENT DOCUMENTS, page 3, left column, delete line beginning with "6,504,830" and insert therefor --6,504,830 Bl 1/2003 Östberg et al. ... 370/342--.

At section (56), U.S. PATENT DOCUMENTS, page 3, left column, delete line beginning with "2002/0012332", and insert therefor --2002/0012332 A1 1/2002 Tiedemann et al.--.

At section (56), OTHER PUBLICATIONS, page 3, right column, delete line 2, and insert therefor --cations Networks, Jun. 18, 1995--.

At section (56), OTHER PUBLICATIONS, page 3, right column, delete line beginning with "#531-981-20814-95C" and insert therefor --#531-981-20814-95C , part 2 on 3GPP2 website (ftp://ftp.3gpp2.org/--.

At section (56), OTHER PUBLICATIONS, page 4, at bottom of left column, insert --Attachment 2, High Speed Data RLP Lucent Technologies, Version 0.1, January 16, 1997.
Azad et al., Multirate Spread Spectrum Direct Sequence CDMATechniques, 1994, The Institute of Electrical Engineers.
Data Service Options for Wideband Spread Spectrum Systems. TIA/EIA Interim Standard. TIA/EIA/IS-707-A. April 1999.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Data Service Options for Wideband Spread Spectrum Systems: Introduction, PN-3676.1 (to be published as TIA/EIA/IS-707.1), March 20, 1997 (Content Revision 1).
Data Services Option Standard for Wideband Spread Spectrum Digital Cellular System. TIA/EIA/IS-99.
TIA/EIA Interim Standard. July 1995.
Data Services Options Standard for Wideband Spread Spectrum Systems: Packet Data Services. PN-3676.5 (to be published as TIA/EIA/IS-707.5) Ballot Version, May 30, 1997.
Ejzak, et al. Proposal for High Speed Packet Data Service, Version 0.1. Lucent Technologies, January 16, 1997.
Heine, Gunnar, "The Air-Interface of GSM", in GSM Networks: Protocols, Terminology, and Implementation, (MA: Artech House, Inc.), pp. 89-100 (1999).
Honkasalo, Harri. High Speed Data Air Interface. 1996.
Introduction to cdma2000 Spread Spectrum Systems, Release C. TIA/EIA Interim Standard. TIA/EIA/IS-2000.1-C. May, 2002.
Knisely, Douglas, N. Telecommunications Industry Association Subcommittee TR-45.5 - Wideband Spread Spectrum Digital Technologies Standards. Banff, Alberta. February 24, 1997 (TR45.5/97.02.24) 21.
Knisely, Douglas, N. Telecommunications Industry Association Subcommittee TR-45.5 - Wideband Spread Spectrum Digital Technologies Standards, Working Group III-Physical Layer. Banff, Alberta. February 24, 1997 (TR45.5/97.02.24) 22.
Melanchuk et al., CDPD and Emerging Digital Cellular Systems, Digest of Papers of COMPCN, Computer Society Conference 1996, Santa Clara, CA, no. CONF. 41, February 25, 1996, pp. 2-8, XP000628458.
Motorola, Version 1.0. Motorola High Speed Data Air Interface Proposal Comparisons and Recommendations. January 27, 1997.
MSC-BS Interface (A-Interface) for Public 800 MHz. TIA/EIA/IS-634-A. TIA/EIA Interim Standard (Revision of TIA/EIA/IS-634) July 1998.
MSC-BS Interface for Public 800 MHz. TIA/EIA/IS-634. TIA/EIA Interim Standard, December 1995.
Ott, David TR45.5, CDMA WBSS Technical Standards Meeting Summary. February 24-28, 1997 Banff, Alberta.

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Ovesjö Frederik, European Telecommunication Standard, SMG2 UMTS Physical Layer Expert Group, "UTRA Physical Layer Descriptions FDD parts" (v0.4, 1998-06-25), pp. 1-41, XP-002141421.
Physical Layer Standard for cdma2000 Spread Spectrum Systems, Release C. TIA/EIA Interim Standard. TIA.EIA/IS-2000.2C. May, 2002.
Shacham, et al., "A Selective-Repeat-ARQ Protocol for Parallel Channels and Its Resequencing Analysis," IEEE Transactions On Communications, XP000297814, 40 (4): 773-782 (Apr. 1997).
Simpson, W. (Editor). "RFC 1661 - The Point-to-Point Protocol (PPP)." Network Working Group, July 1994, pgs. 1-35. http://www.faqs.org/rfcs/rfc1661.html.
Simpson, W. (Editor). "RFC 1662 - PPP in HDLC-Like Framing." Network Working Group, July 1994, pgs. 1-17. http://www.faqs.org/rfcs/rfc1662.html.
Stage 1 Service Description for Data Services - High Speed Data Services (Version 0.10) CDG RF 38. December 3, 1996.
Support for 14.4 kbps Data Rate and PCS Interaction for Wideband Spread Spectrum Cellular Systems. TSB74, December 1995. TIA/EIA Telecommunications Systems Bulletin.
Telecommunications Industry Association Meeting Summary. Task Group I, Working Group III, Subcommittee TR45.5. February 24-27, 1997. Banff, Alberta.
Telecommunications Industry Association Meeting Summary. Task Group I, Working Group III, Subcommittee TR45.5. January 6-8, 1997. Newport Beach, California.
Upper Layer (Layer 3) Signaling Standard for cdma2000 Spread Spectrum Systems, Release C. TIA/EIA Interim Standard. TIA/EIA/IS-2000.5-C. May, 2002.
WWW.CDG.ORG/NEWS/PRESS/1997.ASP. CDA Press Release Archive, 1997.--.

IN THE SPECIFICATION

At column 2, line 21, after the word "Access" delete "(EDNA)" and insert therefor --(FDMA)--.

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At column 3, delete lines 5-13, and insert therefor --In addition, the existing CDMA system requires certain operations before a channel can be used. Both access and traffic channels are modulated by so-called long code pseudonoise (PN) sequences; therefore, in order for the receiver to work properly it must first be synchronized with the transmitter. The setting up and tearing down of channels therefore requires overhead to perform such synchronization. This overhead results in a noticeable delay to the user of the subscriber unit.--.

At column 5, line 57, after the word "standard" delete "ISON" and insert therefor --ISDN--.

At column 6, line 58, before the word "these" delete "bands" and insert therefor --band--.

At column 9, line 47, after "400," delete "to" and insert therefor --or--.
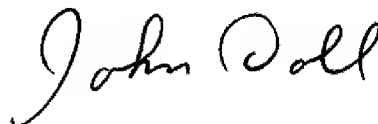
IN THE CLAIMS

At claim 1, column 10, line 17, before the words "at least" insert --control--.

At claim 6, column 10, line 50, before the words "no data" delete "there is".

Signed and Sealed this

Fourth Day of August, 2009

JOHN DOLL
Acting Director of the United States Patent and Trademark Office